

Patent US 221C4

Attorney Docket: 612,404-387

(formerly 267/242)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Group Art Unit: 1637

HELLER, Michael J.

Examiner: J. Fredman

Serial No.: 09/997,374

Filed: November 29, 2001

For: HYBRIDIZATION OF

POLYNUCLEOTIDES CONJUGATED WITH CHROMOPHORES AND FLUOROPHORES TO GENERATE DONOR-TO-DONOR ENERGY

TRANSFER SYSTEM

PETITION UNDER 37 C.F.R. §1.313(C)(2) FOR WITHDRAWAL FROM ISSUE

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants hereby petition to withdraw the above-referenced application from issue as provided by paragraph 37 C.F.R. § 1.313(c)(2). Applicant has submitted the Request for Continued Examination herewith.

The Commissioner is hereby authorized to charge the petition fee (\$130.00) and any additional fees that may be required to Deposit Account No. 50-2862.

06/29/2004 AWONDAF1 00000059 502862 09997374

02 FC:1460

130.00 DA

CERTIFICATE OF MAILING (37 C.F.R. §1.8)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, Alexandria, VA 22313-1450.

Date of Deposit IR1:1056057.1 Denise N. Doss

Patent US 221C4

Attorney Docket: 612,404-387

(formerly 267/242)

Respectfully submitted,

O'MELVENY & MYERS LLP

Dated: <u>June</u> 22, 2004

By: ____

Diane K. Wong

Reg. No. 54,550

Attorneys for Applicants

DBM/DKW/dnd

O'Melveny & Myers LLP 114 Pacifica, Suite 100 Irvine, CA 92618-3315 (949) 737-2900



Patent US 221C4 Attorney Docket: 612,404-387

(formerly 267/242)

HE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Group Art Unit: 1637

HELLER, Michael J.

Examiner: J. Fredman

Serial No.: 09/997,374

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TRANSFER SYSTEM

PETITION UNDER 37 C.F.R. §1.78(A)(3) FOR ACCEPTANCE OF CLAIM OF PRIORITY

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicant hereby petitions for acceptance of a claim of priority that was presented in the above-referenced non-provisional application after the time period provided by paragraph 37 C.F.R. § 1.78(a)(2)(ii). A claim of priority, preliminary amendment correcting the relate-back statement in the specification, and a request for corrected filing receipt was filed on May 21, 2002, and was received by the OIPE on June 5, 2002. (Exhibit A) The entire delay between the date that the claim was due (March 29, 2002) and the date that the claim was filed (May 21, 2002) was unintentional. 09997374

06/29/2004 AWDNDAF1 00000059 502862 1330 00 DA

03 FC:1454

CERTIFICATE OF MAILING (37 C.F.R. §1.8)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, Alexandria, VA 22313-1450.

Date of Deposit IR1:1055992.1

Denise N. Doss

Patent US 221C4

Attorney Docket: 612,404-387

(formerly 267/242)

Applicant notes that the statement of priority as originally filed inadvertently omitted

reference to the great-grandparent application, Serial No. 08/703,601, filed on August 23, 1996, now

U.S. Patent No. 5,849,489. As seen in the documents attached as Exhibit A, the claim of priority is

as follows:

-- This is a continuation of U.S. Application Serial No. 09/724,753, filed on November 28,

2000, which in turn is a continuation of U.S. Application Serial No. 09/123,638, filed on July 28,

1998, now U.S. Patent No. 6,162,603, which is in turn a continuation of U.S. Application Serial No.

08/703,601, filed on August 23, 1996, now U.S. Patent No. 5,849,849, which in turn is a

continuation of U.S. Application Serial No. 08/232,233, filed on May 5, 1994, now U.S. Patent No.

5,565,322, which was filed under 35 U.S.C. §371 based on International Application

PCT/US92/09827, filed November 6, 1992, which in turn is a continuation-in-part of U.S.

Application Serial No. 07/790,262, filed November 7, 1991, now abandoned. Each of the above—

identified patents and applications is expressly incorporated herein by reference. --

The Commissioner is hereby authorized to charge the petition fee (\$1,330.00) and any

additional fees that may be required to Deposit Account No. 50-2862.

Respectfully submitted,

O'MELVENY & MYERS LLP

Dated: June 22, 2004

Bv:

Diane K. Wong

Reg. No. 54,550

Attorneys for Applicants

DBM/DKW/dnd

O'Melveny & Myers LLP 114 Pacifica, Suite 100 Irvine, CA 92618-3315 (949) 737-2900

IR1:1055992. 1

2



Applicant: HELLER, Michael J. Attorney: JCK/DKW/mls

Serial No.:

09/997,374

Docket No.: 267/242

Filed: For:

November 29, 2001

HYBRIDIZATION OF POLYNUCLEOTIDES CONJUGATED WITH CHROMOPHORES AND FLUOROPHORES TO GENERATE DONOR

Please acknowledge receipt of the following by affixing hereon the Patent and Trademark Office date stamp and returning this card to our office.

Enclosures:

1. Preliminary Amendment

... Claim of Priority

3. Request for Corrected Filing Receipt (with redlined Filing Receipt)

3. Return Postcard

Date of Deposit: May 21, 2002

ExhibitA



UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Heller, Michael

Serial No.: 09/997,374

Filed: November 29, 2001

For:

HYBRIDIZATION OF

POLYNUCLEOTIDES CONJUGATED WITH CHROMOPHORES AND FLUOROPHORES TO GENERATE DONOR-TO-DONOR ENERGY

TRANSFER SYSTEM

Group Art Unit: 1655

Examiner: Not Yet Assigned

PRELIMINARY AMENDMENT

Box AMENDMENT Commissioner for Patents Washington, D.C. 20231

Sir:

Please enter the following amendment in the above-referenced application:

IN THE SPECIFICATION

Please replace the paragraph beginning at page 1, line 7, with the following rewritten paragraph:

-- This is a continuation of U.S. Application Serial No. 09/724,753, filed on November 28, 2000, which in turn is a continuation of U.S. Application Serial No.

09/123,638, filed on July 28, 1998, now U.S.	Patent No. 6,162,603, which is in turn a
OC-110419.1	
CERTIFICATE O	F MAILING
(37 C.F.R.	
I hereby certify that this paper (along with any referred to as being attached or date shown below with sufficient postage as First Class Mail in an envelope ad	enclosed) is being deposited with the United States Postal Service on the dressed to the Commissioner for Patents, Washington, D.C. 20231.
	Mary L. Smith
	Name of Person Mailing Paper
•	San PANA
	May Comus
May 21, 2002	Signature of Person Mailing Paper

Date of Deposit

continuation of U.S. Application Serial No. 08/703,601, filed on August 23, 1996, now U.S. Patent No. 5,849,849, which in turn is a continuation of U.S. Application Serial No. 08/232,233, filed on May 5, 1994, now U.S. Patent No. 5,565,322, which was filed under 35 U.S.C. §371 based on International Application PCT/US92/09827, filed November 6, 1992, which in turn is a continuation—in—part of U.S. Application Serial No. 07/790,262, filed November 7, 1991, now abandoned. Each of the above—identified patents and applications is expressly incorporated herein by reference.—

REMARKS

Applicant notes that the statement of priority as originally filed inadvertently omitted reference to the great-grandparent application, Serial No. 08/703,601, filed on August 23, 1996, now U.S. Patent No. 5,849,489. The statement of priority is correctly stated in the grandparent application, Serial No. 09/123,638, filed on July 28, 1998, now U.S. Patent No. 6,162,638 and has been corrected in the parent application Serial No. 09/724,753, filed on November 28, 2000. In addition, applicant notes that the Declaration of inventor Michael Heller, which accompanied the present application on its filing date of November 29, 2001, refers to U.S. Application Serial No. 08/703,601.

Favorable consideration and entry of the above amendments is respectfully requested. The Commissioner is hereby authorized to charge any fees that may be required to Deposit Account No. 12–2475.

Respectfully submitted,

LYON & LYON LLP

Dated: 5/20/2

Ву _

John Kappos Reg. No. 37,861

Attorneys for Applicant

JCK/dkw 633 West Fifth Street, 47th Floor Los Angeles, CA 90071-2066 (949) 567-2300 or (213) 489-1600

Version with Markings to Show Changes Made

In the Specification

Please replace paragraph 1 on page 1 as follows:

This is a continuation of U.S. Application Serial No. 09/724,753, filed on November 28, 2000, which in turn is a continuation of U.S. Application Serial No. 09/123,638, filed on July 28, 1998, now U.S. Patent No. 6,162,603, which is in turn a continuation of U.S. Application Serial No. 08/703,601, filed on August 23, 1996, now U.S. Patent No. 5,849,849, which in turn is a continuation of U.S. Application Serial No. 08/232,233, filed on May 5, 1994, now U.S. Patent No. 5,565,322, which was filed under 35 U.S.C. §371 based on International Application PCT/US92/09827, filed November 6, 1992, which in turn is a continuation—in—part of [U.S. Application Serial No. 08/250,951, filed May 27, 1994, now U.S. Patent No. 5,532,129, which in turn is a continuation of Ju.S. Application Serial No. 07/790,262, filed November 7, 1991, now abandoned. Each of the above—identified patents and applications is expressly incorporated herein by reference.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	Group Art Unit: 1655	
Heller, Michael) Examiner:	Not yet assigned
Serial No.: 09/997,374))	
Filed: November 29, 2001))	
For: HYBRIDIZATION OF POLYNUCLEOTIDES CONJUGATED WITH CHROMOPHORES AND FLUOROPHORES TO GENERATE DONOR-TO-DONOR ENERGY TRANSFER SYSTEM)))))	
REQUEST FOR CORRECTED FILING RECEIPT		
Commissioner for Patents Washington, D.C. 20231	· .	
Sir:		•
Applicant herein requests a corrected filing	receipt for the ab	ove-identified patent
application.		,
The Filing Receipt for the above application	n (copy enclosed)	is incorrect in that it misstates
the statement of priority. The correct "Continuing	Data as Claimed	by Applicant" should read:
THIS APPLICATION IS A CON OF 09/72 WHICH IS A CON OF 09/123,638 07/28/1	24,753 11/28/200 998 PAT 6,162,6	0 603
OC-110411.1 CERTIFICATE	OF MAILING	
(37 C.F.I	R. §1.8a)	
I hereby certify that this paper (along with any referred to as United States Postal Service on the date shown below with standardssed to the Commissioner for Patents, Washington, D.C.	mincient postage as i	closed) is being deposited with the First Class Mail in an envelope
	Mary L.	Smith Person Mailing Paper
	Name of	Letzon Mannik raher
May 21, 2002 Date of Deposit	Signature	e of Person Mailing Paper

WHICH IS A CON OF 08/703,601 08/23/1996 PAT 5,849,489 WHICH IS A CON OF 08/232,233 05/05/1994 PAT 5,565,322 WHICH IS A CON OF PCT/US92/09827 11/06/1992 WHICH IS A CIP OF 07/790,262 11/07/1991 ABN

Applicants note that the statement of priority as originally filed inadvertently omitted reference to the great-grandparent application, serial no. 08/703,601, filed on August 23, 1996, now U.S. Patent No. 5,849,489. The priority claim has been corrected by amendment of even date herewith. Therefore, applicants respectfully request the issuance of a corrected filing receipt.

Respectfully submitted.

LYON & LYON LLP

Dated: 5 20 2002

Bv:

Reg. No. 37,861

Attorneys for Applicant

JCK/dkw 633 West Fifth Street, Suite 4700 Los Angeles, California 90071-2066 (949) 567-2300



United States Patent and Trademark Office

COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE WASHINGTON, D.C. 20231

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APPLICATION NUMBER

FILING DATE

GRP ART UNIT

FIL FEE REC'D ATTY.DOCKET.NO

DRAWINGS

TOT CLAIMS

IND CLAIMS

09/997.374

11/29/2001

1655

406

267/242

24

2

22249 LYON & LYON LLP 633 WEST FIFTH STREET **SUITE 4700** LOS ANGELES, CA 90071



CONFIRMATION NO. 4021 UPDATED FILING RECEIPT

OC000000007809139*

Date Mailed: 04/08/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Michael J. Heller, Encinitas, CA;

Assignment For Published Patent Application

Nanogen, Inc., San Diego, CA;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CON OF 09/724,753 11/28/2000 WHICH IS A CON OF 09/123,638 07/28/1998 PAT 6,162,603 Which is a con of 08/703, 601 08/ WHICH IS A CON OF 08/232,233 05/05/1994 PAT 5,565,322

WHICH IS A 371 OF PCT/US92/09827 11/06/1992 WHICH IS A CIP OF 08/250,951 05/27/1994 PAT WHICH IS A CON_OF 07/790,262 11/07/1991 ABN

Foreign Applications

If Required, Foreign Filing License Granted 02/13/2002

Projected Publication Date: 07/18/2002

Non-Publication Request: No

Early Publication Request: No

RECEIVED

APR 1 2 2002

** SMALL ENTITY ** US Prived andi Title

Hybridization of polynucleotides conjugated with chromophores and fluorophores to generate donor-to-donor energy transfer system

Preliminary Class

435

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Heller, Michael

Serial No.: 09/997,374

Filed: November 29, 2001

For:

HYBRIDIZATION OF

POLYNUCLEOTIDES CONJUGATED

WITH CHROMOPHORES AND FLUOROPHORES TO GENERATE DONOR-TO-DONOR ENERGY

TRANSFER SYSTEM

Group Art Unit: 1655

Examiner: Not Yet Assigned

CLAIM OF PRIORITY

Commissioner for Patents Washington, D.C. 20231

Sir:

Please be advised that this application is a continuation of U.S. Application Serial No. 09/724,753, filed on November 28, 2000, which is in turn a continuation of U.S. Application Serial No. 09/123,638, filed on July 28, 1998, now U.S. Patent No. 6,162,603, which is in turn a continuation of U.S. Application Serial No. 08/703,601, filed on August 23, 1996, now U.S. Patent No. 5,849,489, which in turn is a continuation of U.S. Application Serial No. 08/232,233, filed on May 5, 1994, now U.S. Patent No. 5,565,322, which was filed under 35 U.S.C. §371 based on International Application PCT/US92/09827, filed November 6, 1992, which in turn is a oct-110415.1

CERTIFICATE OF MAILING (37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

Mary L. Smith
Name of Person Mailing Person

Signature of Person Mailing Paper

May 21, 2002

Date of Deposit

continuation—in—part of U.S. Application Serial No. 07/790,262, filed November 7, 1991, now abandoned. Applicant claims priority to all of the above patents and applications under 35 U.S.C §§ 119, 120, and all of the above patents and applications are expressly herein incorporated by reference in their entirety.

Respectfully submitted,

LYON & LYON LLP.

Dated: $5/2\sigma/2\varepsilon$

Ву

John Kappos

Reg. No. 37,861

Attorneys for Applicant

JCK/dkw 633 West Fifth Street, 47th Floor Los Angeles, CA 90071-2066 (949) 567-2300 or (213) 489-1600